

**SYSTEM, METHOD AND APPARATUS FOR ALLOCATING HARDWARE
RESOURCES USING PSEUDORANDOM SEQUENCES**

ABSTRACT

The present invention provides a system, method and apparatus for allocating resources by assigning resource identifiers to processor resources using at least a portion of a pseudorandom sequence. One or more resource identifiers are generated using at least a portion of each a pseudorandom sequence. Each resource identifier corresponds to one of the 5 resources. One or more of the resource identifiers are then selected for allocation to the instruction.